

DELTA-MENDOTA CANAL UNIT

**ENVIRONMENTAL ASSESSMENT
LONG-TERM CONTRACT RENEWAL**

**Appendix B
Common and Scientific Names of Species
Cited in the Environmental Assessment**

February 2005

**Table B-1
Common and Scientific Names of Fish Species Cited
in the Delta-Mendota Canal Unit Environmental Assessment**

Common Name	Scientific Name
Black bullhead	<i>Ictalurus melas</i>
Black crappie	<i>Pomoxis nigromaculatus</i>
Bluegill	<i>Lepomis macrochirus</i>
Brown bullhead	<i>Ictalurus nebulosus</i>
Central Valley steelhead	<i>Oncorhynchus mykiss</i>
Chinook salmon (winter-, spring-, fall-run)	<i>Oncorhynchus tshawytscha</i>
Delta smelt	<i>Hypomesus transpacificus</i>
Green sunfish	<i>Lepomis cyanellus</i>
Hardhead	<i>Mylopharodon conocephalus</i>
Kern brook lamprey	<i>Lampetra hubbsi</i>
Lahontan cutthroat trout	<i>Oncorhynchus clarki henshawi</i>
Largemouth bass	<i>Micropterus salmoides</i>
Paiute cutthroat trout	<i>Oncorhynchus clarki seleniris</i>
Rainbow trout (resident and steelhead)	<i>Oncorhynchus mykiss</i>
Sacramento pikeminnow (squawfish)	<i>Ptychocheilus grandis</i>
Sacramento splittail	<i>Pogonichthys macrolepidotus</i>
Sacramento sucker	<i>Catostomus occidentalis</i>
Smallmouth bass	<i>Micropterus dolomieu</i>
White crappie	<i>Pomoxis annularis</i>
Yellow bullhead	<i>Ictalurus natalis</i>

**Table B-2
Common and Scientific Names of Plant Species
Cited in the Delta-Mendota Canal Unit Environmental Assessment**

Common Name	Scientific Name	Growth Habit	Family
Alkali goldenbush	<i>Isocoma acradenia</i>	S	Asteraceae
Alkali heath	<i>Farnkenia salina</i>	PH	Frankeniaceae
Alkali heliotrope	<i>Heliotropium curassavicum oculatum</i>	PH	Hydrophyllaceae
Alkali rubber rabbitbrush	<i>Chrysothamnus nauseosus hololeucus</i>	S	Asteraceae
Alkali sacaton	<i>Sporobolus airoides</i>	PG	Poaceae
Alkali weed	<i>Cressa truxillensis vallicola</i>	PH	Convolvulaceae
Allscale	<i>Atriplex polycarpa</i>	S	Chenopodiaceae
Apricot globemallow	<i>Spharalcea ambigua</i>	PH	Malvaceae
Arrow weed	<i>Pluchea sericea</i>	S	Asteraceae
Arrow-grasses	<i>Triglochin</i> spp.	PH	Juncaginaceae
Arroyo willow	<i>Salix lasiolepis</i>	T	Salicaceae
Big saltbush	<i>Atriplex lentiformis lentiformis</i>	S	Chenopodiaceae
Black willow	<i>Salix gooddingii variabilis</i>	T	Salicaceae
Blackberries	<i>Rubus</i> spp.	S	Rosaceae
Bladderwort	<i>Utricularia</i> spp.	A/PH	Lentibulariaceae
Blue elderberry	<i>Sambucus mexicana</i>	S	Caprifoliaceae
Box elder	<i>Acer negundo californicum</i>	T	Aceraceae
Bud sagebrush	<i>Artemisia spinescens</i>	S	Asteraceae
California oatgrass	<i>Danthonia californica</i>	PG	Poaceae
California pipestem clematis	<i>Clematis ligusticifolia</i>	PV	Ranunculaceae
California poppy	<i>Eschscholzia californica californica</i>	AH	Papaveraceae
California wild grape	<i>Vitis californica</i>	PV	Vitaceae
California wild rose	<i>Rosa californica</i>	S	Rosaceae
Cattails	<i>Typha</i> spp.	PH	Typhaceae
Cheesebush	<i>Hymenoclea salsola</i>	S	Asteraceae
Chinese Camp brodiaea	<i>Brodiaea pallida</i>	PH	Amaryllidaceae
Clovers	<i>Trifolium</i> spp.	PH	Fabaceae
Cocklebur	<i>Xanthium strumarium canadense</i>	AH	Asteraceae
Common tule	<i>Scirpus acutus</i>		
Cottonwood	<i>Populus</i> spp.	T	Salicaceae
Coyote thistles	<i>Eryngium</i> spp.	PH	Apiaceae
Creosote bush	<i>Larrea tridentata</i>	S	Zygophyllaceae
Delta button-celery	<i>Eryngium racemosum</i>	A/PH	Apiaceae
Dove weed	<i>Eremocarpus setigerus</i>	AH	Euphorbiaceae
Downingias	<i>Downingia</i> spp.	AH	Campanulaceae
Duckweeds	<i>Lemna</i> spp.	AH	Lemnaceae
Elderberries	<i>Sambucus</i> spp.	S	Capifoliaceae
Fourwing saltbush	<i>Atriplex canescens canescens</i>	S	Chenopodiaceae
Fremont cottonwood	<i>Populus fremontii</i>	T	Salacaceae
Fremont dalea	<i>Psorothamnus fremontii fremontii</i>	S	Fabaceae
Goldfields	<i>Lasthenia</i> spp.	AH	Asteraceae
Greasewood	<i>Sacrobatus vermiculatus</i>	S	Chenopodiaceae

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Common and Scientific Names of Plant Species
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Common Name	Scientific Name	Growth Habit	Family
Honeysweet tidestromia	<i>Tidestromia oblongifolia oblongifolia</i>	S	Amaranthaceae
Horsetails	<i>Equisetum</i> spp.	PH	Equisetaceae
Horseweeds	<i>Conyza</i> spp.	AH	Asteraceae
Idaho fescue	<i>Festuca idahoensis</i>	PG	Poaceae
Interior live oak	<i>Quercus wislizenii wislizenii</i>	T	Fagaceae
Iodine bush	<i>Allenrolfea occidentalis</i>	S	Chenopodiaceae
Kidney-leaved buckwheat	<i>Eriogonum reniforme</i>	AH	Polygonaceae
Kochia	<i>Kochia</i> spp.	S	Chenopodiaceae
Long-beaked filaree	<i>Erodium botrys</i>	AH	Geraniaceae
Low barley	<i>Hodeum depressum</i>	AG	Poaceae
Mariposa lillies	<i>Calochortus</i> spp.	PH	Liliaceae
Meadowfoams	<i>Limnanthes</i> spp.	AH	Limnanthaceae
Medusa head	<i>Taeniatherum caput-medusae</i>	PG	Poaceae
Mistletoe	<i>Phoradendron</i> spp.	PH	Viscaceae
Mugwort	<i>Artemisia douglasiana</i>	PH	Asteraceae
Mule fat	<i>Baccharis salicifolia</i>	S	Asteraceae
Mustards	<i>Brassica/Hirshfeldia/Sisymbrium</i> spp.	A/PH	Brassicaceae
Navarretia	<i>Navarretia</i> spp.	AH	Polemoniaceae
Nevada tea	<i>Ephedra nevadensis</i>	S	Ephedraceae
Northern California black walnut	<i>Juglans californica hindsii</i>	T	Juglandaceae
Oregon ash	<i>Fraxinus latifolia</i>	T	Oleaceae
Owl's clover	<i>Castilleja</i> spp.	AH	Scrophulariaceae
Parry saltbush	<i>Atriplex parryi</i>	S	Chenopodiaceae
Pogogyne	<i>Pogogyne</i> spp.	AH	Lamiaceae
Poison oak	<i>Toxicodendron diversilobum</i>	S/V	Anacardiaceae
Pondweeds	<i>Potamogeton</i> spp.	PH	Potamogetonaceae
Popcorn flowers	<i>Plagiobothrys</i> spp.	AH	Boraginaceae
Purple needlegrass	<i>Nassella pulchra</i>	PG	Poaceae
Red brome	<i>Bromus madritensis rubens</i>	AG	Poaceae
Red willow	<i>Salix laevigata</i>	T	Salicaceae
Redstem filaree	<i>Erodium cicutarium</i>	AH	Geraniaceae
Ripgut grass	<i>Bromus diandrus</i>	AG	Poaceae
Rose-mallow	<i>Hibiscus lasiocarpus</i>	S	Malvaceae
Rushes	<i>Juncus</i> spp.	PH	Juncaceae
Sandbar willow	<i>Salix sessilifolia</i>	S	Salicaceae
Sedges	<i>Carex</i> spp.	PH	Cyperaceae
Shadscale	<i>Atriplex confertifolia</i>	S	Chenopodiaceae
Slender fescue	<i>Vulpia bromoides</i>	AG	Poaceae
Smartweed	<i>Polygonum</i> spp.	A/PH	Polygonaceae
Soft bird's beak	<i>Cordylanthus mollis</i> ssp. <i>mollis</i>		
Soft chess	<i>Bromus hordeaceus</i>	AG	Poaceae
Spike rushes	<i>Eleocharis</i> spp.		

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Common Name	Scientific Name	Growth Habit	Family
Suisun thistle	<i>Cirsium hydrophilum</i> var. <i>hydrophilum</i>		
Thistles	<i>Cirsium</i> spp.	A/BH	Asteraceae
Torrey blazing star	<i>Mentzelia torreyi</i>	PH	Loasaceae
Tree anemone	<i>Carpenteria californica</i>	S	Phyladelphaceae
Tules	<i>Scirpus</i> spp.	PH	Cyperaceae
Umbrella-sedge	<i>Cyperus eragrostis</i>	PH	Cyperaceae
Valley oak	<i>Quercus lobata</i>	T	Fagaceae
Valley saltbush	<i>Atriplex polycarpa</i>	S	Chenopodiaceae
Verbena	<i>Verbena</i> spp.	A/PH	Verbenaceae
Waterlily	<i>Nymphaea</i> spp.	PH	Nymphaeaceae
Waterweeds	<i>Elodea</i> spp.	PH	Hydrocharitaceae
Water-milfoil	<i>Myriophyllum</i> spp.	PH	Haloragidaceae
Western sycamore	<i>Platanus racemosa</i>	T	Platanaceae
White alder	<i>Alnus rhombifolia</i>	T	Betulaceae
Wild barley	<i>Hordeum</i> spp.	AG	Poaceae
Wild oats	<i>Avena</i> spp.	AG	Poaceae
Wooley marbles	<i>Psilocarphus</i> spp.	AH	Astreraceae
Yerba mansa	<i>Anemopsis californica</i>	PH	Saururaceae
Growth habitat definitions:			
AF = annual fern	BH = biennial herb	PV = perennial vine	
AG = annual grass	PF = perennial fern	S = shrub	
AH = annual herb	PG = perennial grass	T = tree	
AV = annual vine	PH = perennial herb		

Table B-3
Common and Scientific Names of Wildlife Species
Cited in the Delta-Mendota Canal Unit Environmental Assessment

Common Name	Scientific Name
Invertebrates	
Valley elderberry longhorn beetle	<i>Desmocercus californicus dimporphus</i>
Birds	
Acorn woodpecker	<i>Melanerpes formicivorus</i>
Aleutian Canada goose	<i>Branta canadensis leucopareia</i>
American bittern	<i>Botaurus lentiginosus</i>
American crow	<i>Corvus brachyrhynchos</i>
American goldfinch	<i>Carduelis tristis</i>
American kestrel	<i>Falco sparverius</i>
American pipit	<i>Anthus rubescens</i>
American robin	<i>Turdus migratorius</i>
Anna's hummingbird	<i>Calypte anna</i>
Bald eagle	<i>Haliaeetus leucocephalus</i>
Bank swallow	<i>Riparia riparia</i>
Barn owl	<i>Tyto alba</i>
Belted kingfisher	<i>Ceryle alcyon</i>
Black-bellied plover	<i>Pluvialis squatarola</i>
Black-headed grosbeak	<i>Pheucticus melanocephalus</i>
Black-necked stilt	<i>Himantopus mexicanus</i>
Black phoebe	<i>Sayornis nigricans</i>
Black-shouldered kite	<i>Elanus caeruleus</i>
Blue-gray gnatcatcher	<i>Polioptila carerulea</i>
Brewer's blackbird	<i>Euphagus cyanocephalus</i>
Burrowing owl	<i>Athene cunicularia</i>
California clapper rail	<i>Rallus longirostris</i>
California gull	<i>Larus californicus</i>
California quail	<i>Callipepla californica</i>
Canada goose	<i>Branta canadensis</i>
Cinnamon teal	<i>Anas cyanoptera</i>
Common goldeneye	<i>Bucephala clangula</i>
Common merganser	<i>Mergus merganser</i>
Common raven	<i>Corvus corax</i>
Common yellowthroat	<i>Geothlypis trichas</i>
Coot	<i>Fulica americana</i>
Double-crested cormorant	<i>Phalacrocorax auritus</i>
European starling	<i>Sturnus vulgaris</i>
Ferruginous hawk	<i>Buteo regalis</i>
Great blue heron	<i>Ardea herodias</i>
Great egret	<i>Casmerodius albus</i>

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Common Name	Scientific Name
Greater white-fronted goose	<i>Anser albafrons</i>
Green-backed heron	<i>Butorides striatus</i>
Gull ssp.	<i>Larus spp.</i>
Horned lark	<i>Eremophila alpestris</i>
House finch	<i>Carpodacus mexicanus</i>
Killdeer	<i>Charadrius vociferus</i>
Kingfisher	<i>Ceryle alcyon</i>
Lazuli bunting	<i>Passerina amoena</i>
Lesser goldfinch	<i>Carduelis psaltria</i>
Lewis' woodpecker	<i>Melanerpes lewis</i>
Loggerhead shrike	<i>Lanius ludovicianus</i>
Long-billed curlew	<i>Numenius americanus</i>
MacGillivray's warbler	<i>Oporornis tolmiei</i>
Mallard	<i>Anas platyrhynchos</i>
Marsh wren	<i>Cistothorus palustris</i>
Mourning dove	<i>Zenaida macroura</i>
Northern flicker	<i>Colaptes auratus</i>
Northern harrier	<i>Circus cyaneus</i>
Northern mockingbird	<i>Mimus polyglottos</i>
Northern rough-winged swallow	<i>Stelgidopteryx serripennis</i>
Osprey	<i>Pandion haliaetus</i>
Pintail	<i>Anas acuta</i>
Plain titmouse	<i>Parus inornatus</i>
Prairie falcon	<i>Falco mexicanus</i>
Red-tailed hawk	<i>Buteo jamaicensis</i>
Red-winged blackbird	<i>Agelaius phoeniceus</i>
Ring-necked pheasant	<i>Phasianus colchicus</i>
Roadrunner	<i>Geococcyx californicus</i>
Ross' goose	<i>Chen rossii</i>
Rufous-sided towhee	<i>Pipilo erythrophthalmus</i>
Sage sparrow	<i>Amphispiza belli</i>
Sandhill crane	<i>Grus canadensis</i>
Savannah sparrow	<i>Passerculus sandwichensis</i>
Say's pheobe	<i>Sayornis saya</i>
Scrub jay	<i>Aphelocoma coerulescens</i>
Snow goose	<i>Chen caerulescens</i>
Snowy egret	<i>Egretta thula</i>
Song sparrow	<i>Melospiza melodia</i>
Spotted sandpiper	<i>Actitis macularia</i>
Swainson's hawk	<i>Buteo swainsoni</i>

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Common Name	Scientific Name
Tricolored blackbird	<i>Agelaius tricolor</i>
Tree swallow	<i>Tachycineta bicolor</i>
Tundra swan	<i>Cygnus columbianus</i>
Virginia rail	<i>Rallus limicola</i>
Violet-green swallow	<i>Tachycineta thalassina</i>
Western flycatcher	<i>Empidonax difficilis</i>
Western kingbird	<i>Tyrannus verticalis</i>
Western meadowlark	<i>Sturnella neglecta</i>
Western yellow-billed cuckoo	<i>Coccyzus americanus</i>
White-breasted nuthatch	<i>Sitta carolinensis</i>
White-crowned sparrow	<i>Zonotrichia leucophrys</i>
White-faced ibis	<i>Plegadis chihi</i>
Willow flycatcher	<i>Empidonax traillii</i>
Wilson's warbler	<i>Wilsonia pusilla</i>
Wood duck	<i>Aix sponsa</i>
Yellow warbler	<i>Dendroica petechia</i>
Yellow-breasted chat	<i>Icteria virens</i>
Yellow-billed magpie	<i>Pica nuttalli</i>
Salamanders	
California tiger salamander	<i>Ambystoma californiense</i>
Frogs and Toads	
Bullfrog	<i>Rana catesbeiana</i>
California red-legged frog	<i>Rana aurora draytonii</i>
Pacific tree frog	<i>Hyla regilla</i>
Western spadefoot	<i>Scaphiopus hammondi</i>
Western toad	<i>Bufo boreas</i>
Lizards and Snakes	
Aquatic garter snake	<i>Thamnophis couchi</i>
Blunt-nosed leopard lizard	<i>Gambelia silus</i>
Common garter snake	<i>Thamnophis sirtalis</i>
Common kingsnake	<i>Lampropeltis getulus</i>
Giant garter snake	<i>Thamnophis gigas</i>
Gopher snake	<i>Pituophis melanoleucus</i>
Side-blotched lizard	<i>Uta stansburiana</i>
Western fence lizard	<i>Sceloporus occidentalis</i>
Western rattlesnake	<i>Crotalus viridis</i>
Western whiptail	<i>Cnemidophorus tigris</i>

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Common Name	Scientific Name
Mammals	
Badger	<i>Taxidea taxus</i>
Beaver	<i>Castor canadensis</i>
Black-tailed hare	<i>Lepus californicus</i>
Botta's pocket gopher	<i>Thomomys bottae</i>
Broad-footed mole	<i>Scapanus latimanus</i>
California ground squirrel	<i>Spermophilus beecheyi</i>
California vole	<i>Microtus californicus</i>
Coyote	<i>Canis latrans</i>
Deer mouse	<i>Peromyscus maniculatus</i>
Desert cottontail	<i>Sylvilagus auduboni</i>
Giant kangaroo rat	<i>Dipodomys ingens</i>
Gray fox	<i>Urocyon cinereoargenteus</i>
Gray squirrel	<i>Sciurus griseus</i>
Heermann kangaroo rat	<i>Dipodomys heermanni</i>
Mule deer	<i>Odocoileus hemionus</i>
Muskrat	<i>Ondatra zibethica</i>
Pocket gopher	<i>Thomomys spp.</i>
Pronghorn	<i>Antilocapra americana</i>
Raccoon	<i>Procyon lotor</i>
Ringtail	<i>Bassariscus astutus</i>
Riparian brush rabbit	<i>Sylvilagus bachmani riparius</i>
Riparian woodrat	<i>Neotoma fuscipes riparia</i>
River otter	<i>Lutra canadensis</i>
Salt marsh harvest mouse	<i>Reithrodontomys raviventis</i>
San Joaquin antelope squirrel	<i>Ammospermophilus nelsoni</i>
Striped skunk	<i>Mephitis mephitis</i>
Tule elk	<i>Cervus canadensis</i>
Virginia opossum	<i>Didelphis virginiana</i>
Western gray squirrel	<i>Sciurus griseus</i>
Western harvest mouse	<i>Reithrodontomys megalotis</i>
Wild pig	